

Sun(Light) at the End of the Tunnel? The **Wet** and **Dry** of the Forecast, September 19-23 2013



Thurs-Sat



Late Sunday-Wed.

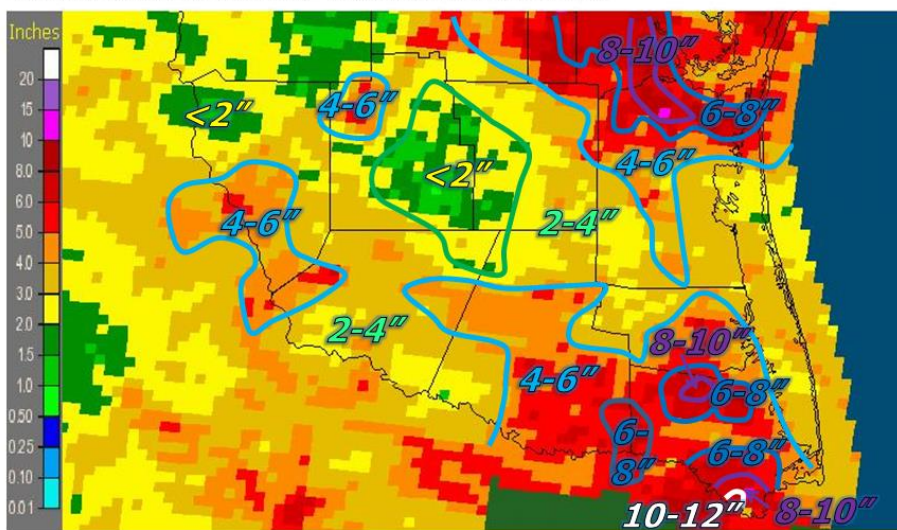
Wednesday, Sept. 18th **5 PM CDT Update**



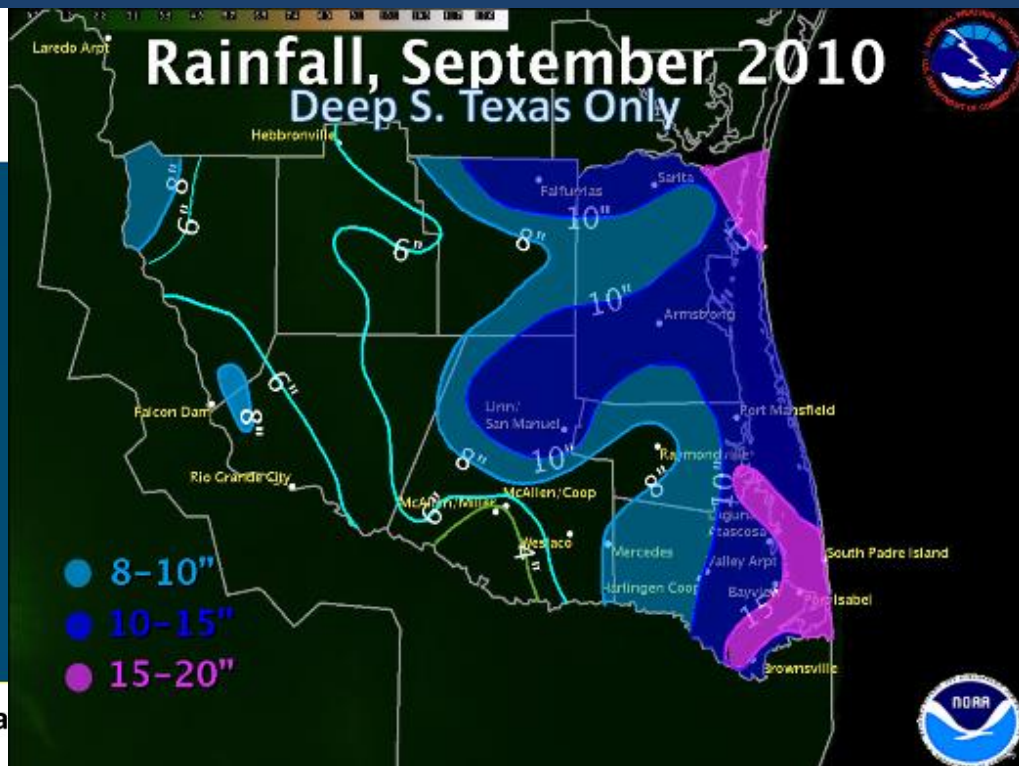
The (Rainy) Story So Far

September 2013 Rainfall (through 9 AM 9/17)

Brownsville, TX (BR0): Current Month to Date Observed Precipitation
Valid at 9/17/2013 1200 UTC- Created 9/17/13 21:41 UTC



*Based on Observed and Bias-Corrected Radar Estimated Data



It's not been this wet in three years across the RGV

Notable totals (through 3 PM 9/18):

Brownsville: 11.50 " (1.13" short of 2010)

Harlingen/Valley: 8.52" (**1.37 above 2010**)

McAllen/Miller: 6.15" (**2.52" above 2010**)

Stat Facts:

Brownsville: 14 Consecutive Days With Rain, 17 days at end of period (new record)

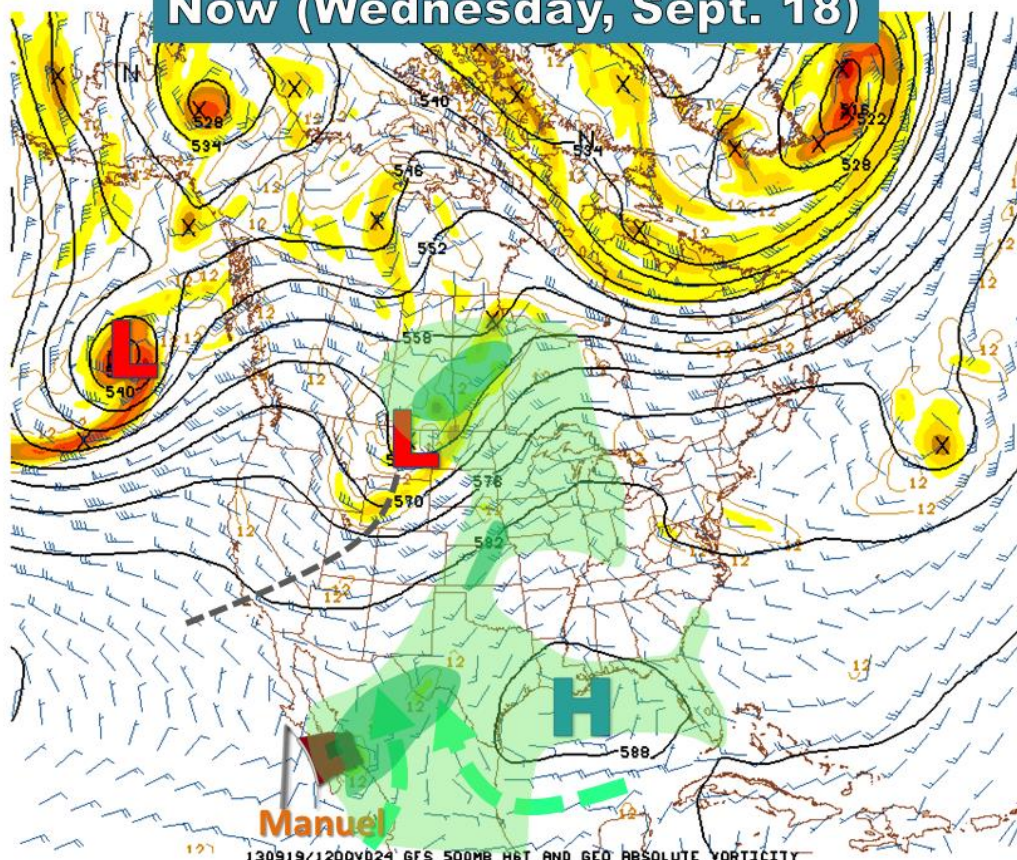
McAllen: 10 Consecutive Days With Rain, expected to be 13 days at end of period (new record)

Most areas: **Top 5-7 all time wettest September**

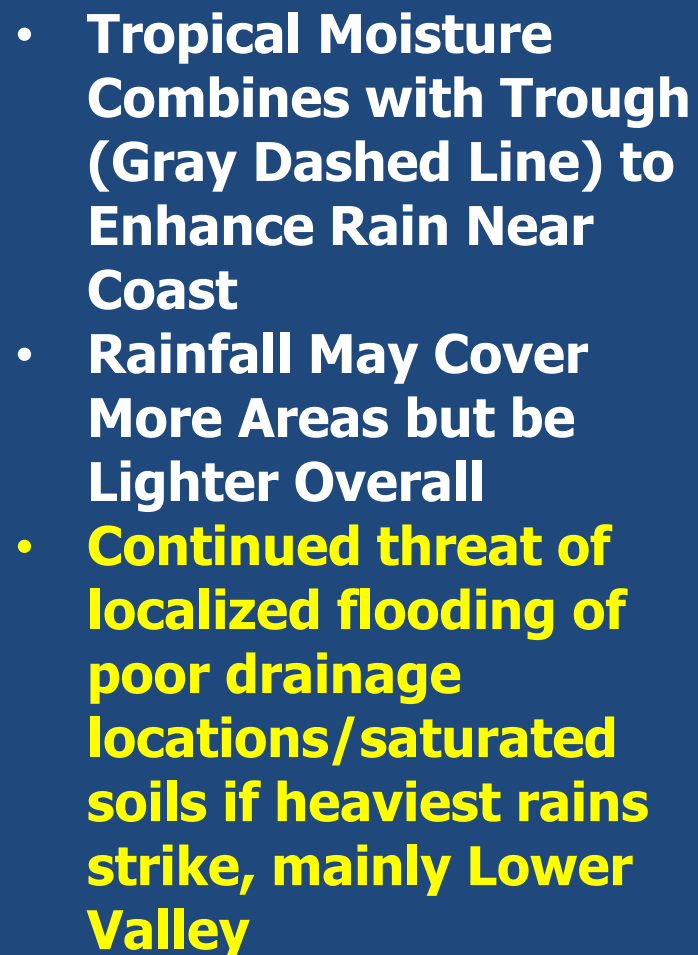


The Pattern...and the Shift

Now (Wednesday, Sept. 18)

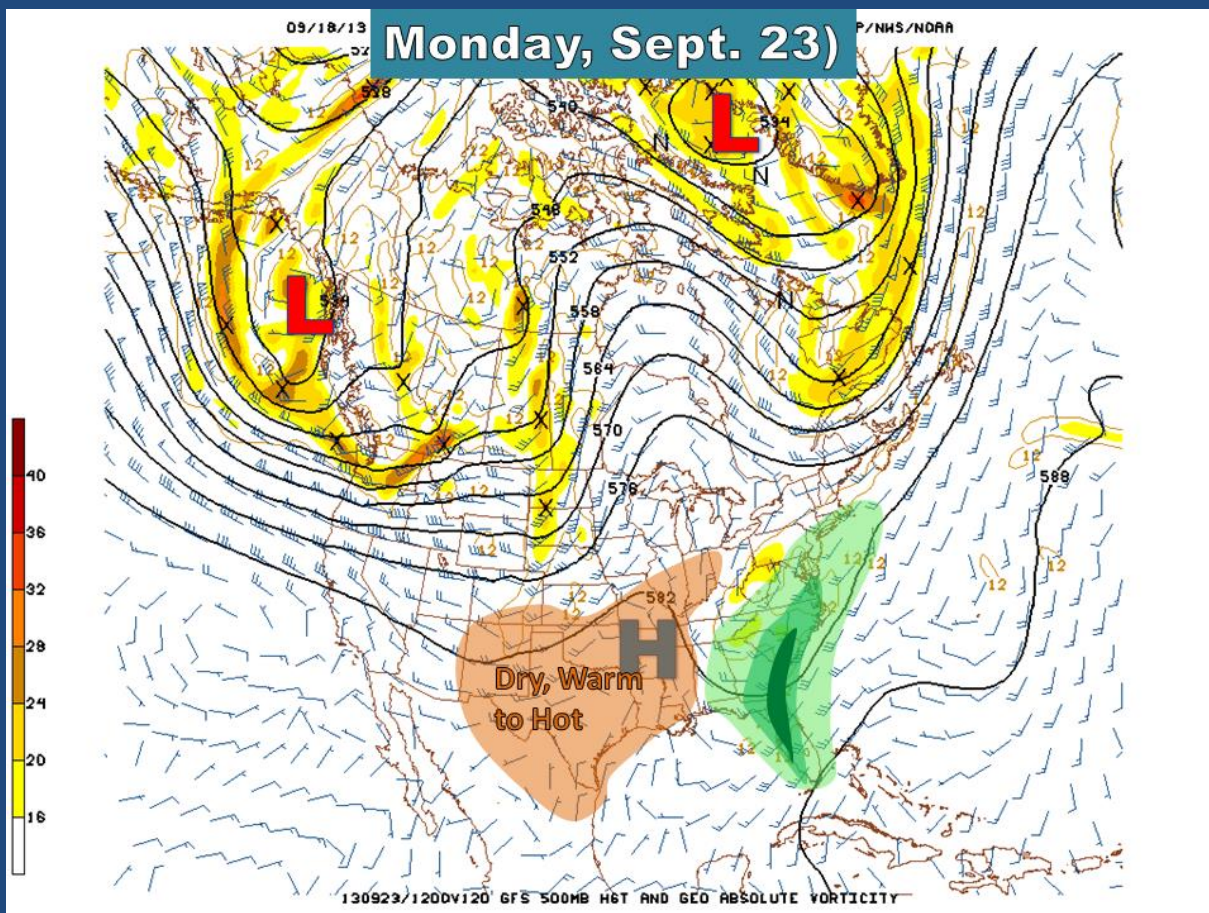


- Still Moist,
- Scattered Showers
- Rainfall 0.5 to 0.75 in heavier cells
- Continued threat of localized flooding of poor drainage locations/saturated soils if heaviest rains strike





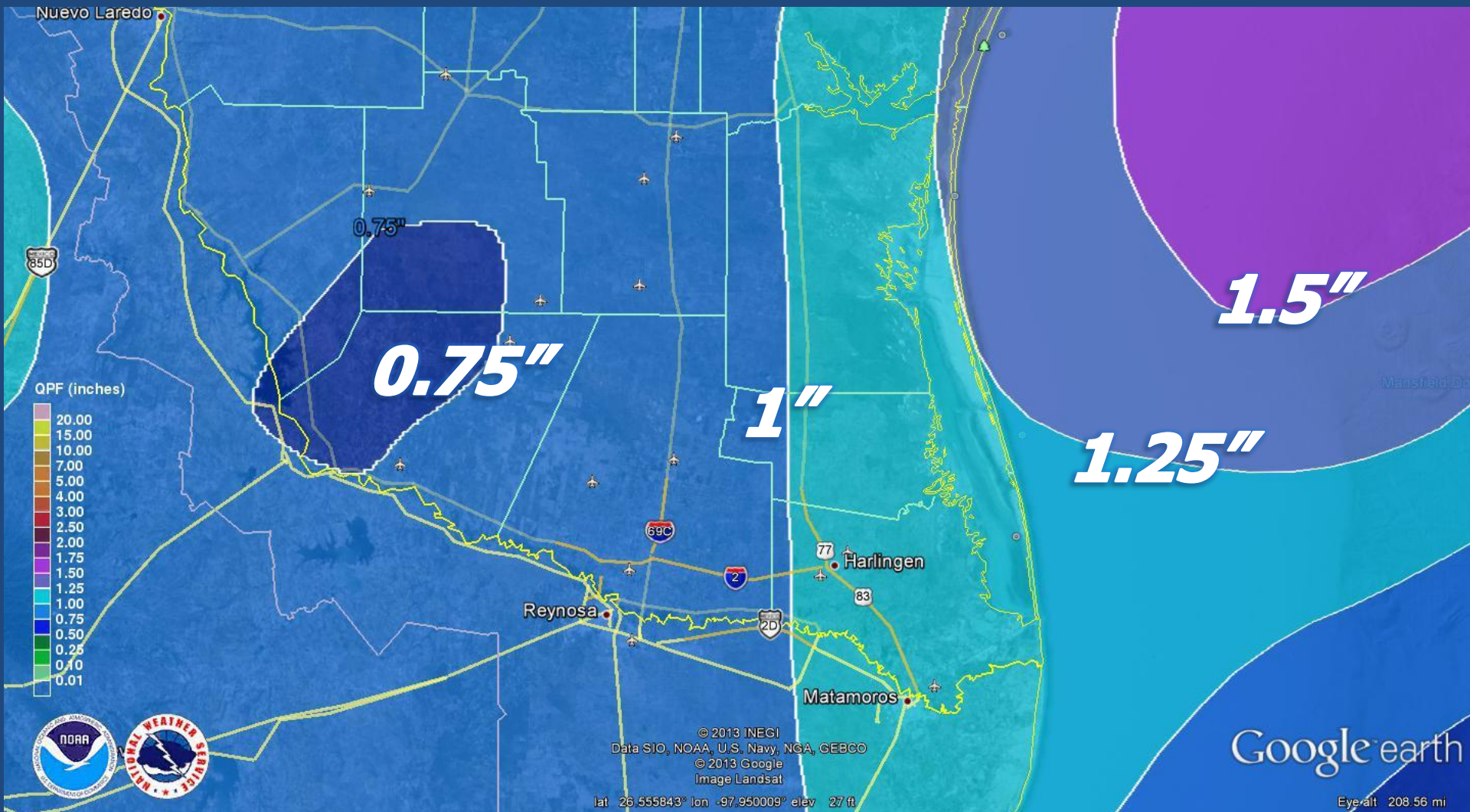
The Pattern...and the Shift



- **Great Day!**
- **Lower Humidity, Hotter Temperatures Due to Sun/Few Clouds**
- **Things Begin Drying Out; Good Time to Treat for Mosquitoes and other "Vectors"**
- **Last Hurrah for the 2013 Hurricane Season in the RGV??**

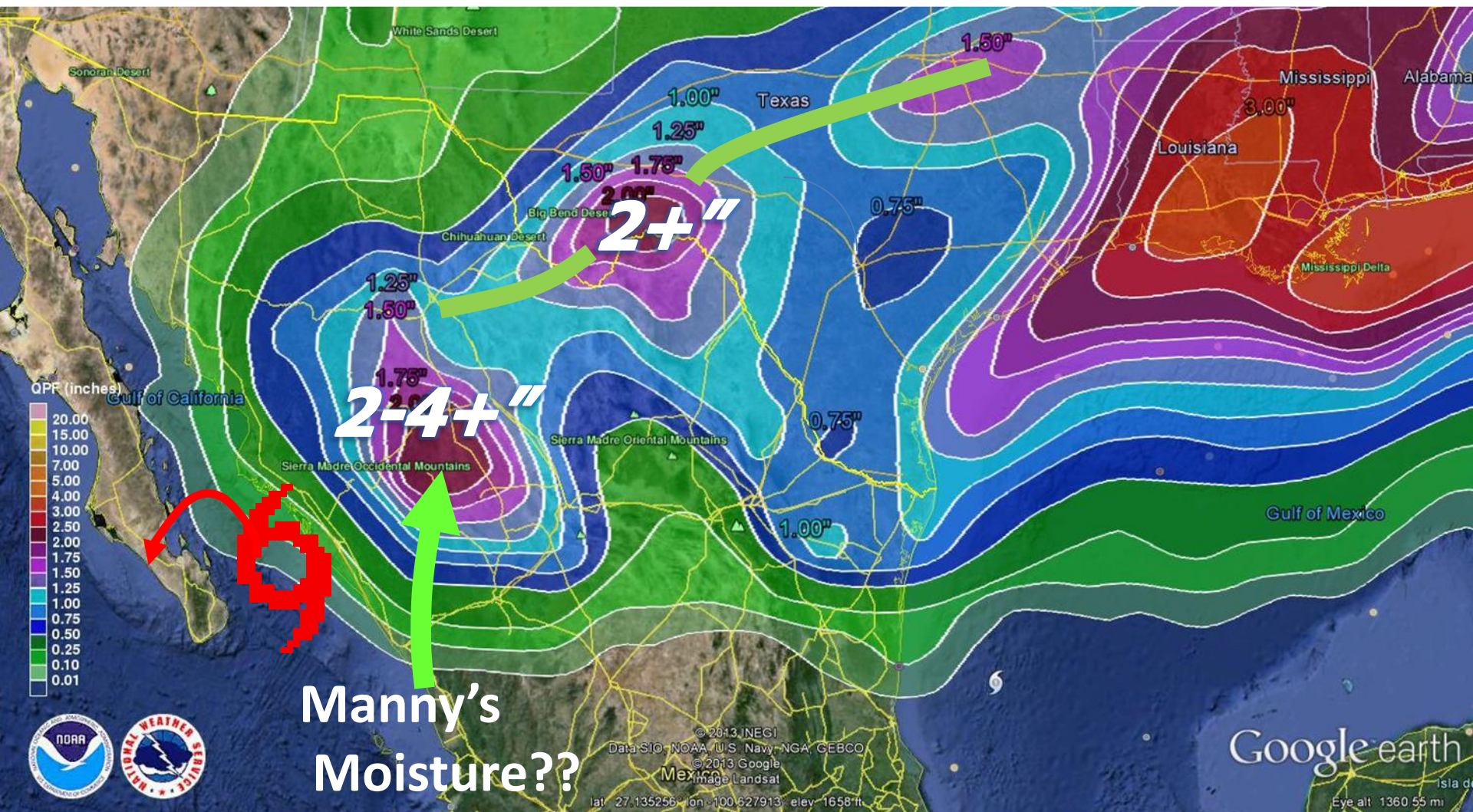


Rainfall Forecast (Through 9/22)





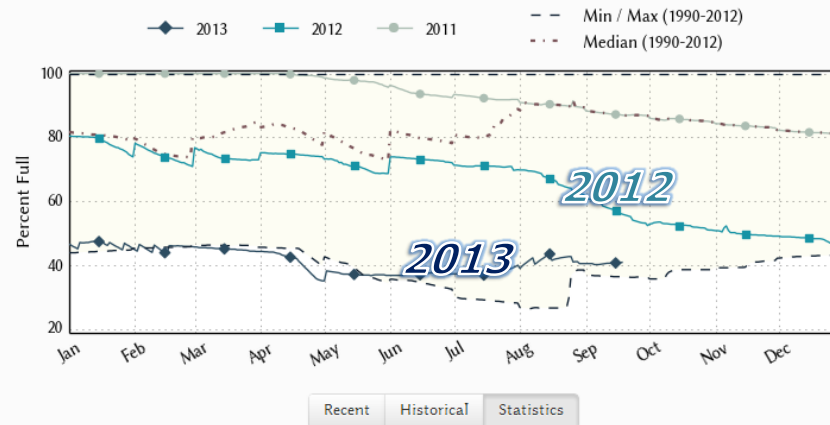
Reservoir Relief (Continued)?





Reservoir Relief (Continued)?

Amistad Reservoir is 40.9% full as of 2013-09-18



note:

Lake Amistad straddles the border of Texas and Mexico. By treaty, Texas has rights 56.2% of the total conservation capacity. The fraction of the actual storage that belongs to Texas is formally determined biweekly by the [International Boundary Water Commission \(IBWC\)](#). The IBWC is the legal repository of data related to this lake for treaty purposes and official versions of the datasets should be obtained directly from them. Conservation capacity is based on 56.2% of total conservation capacity. Conservation storage is based on the bi-weekly changing Texas fraction.

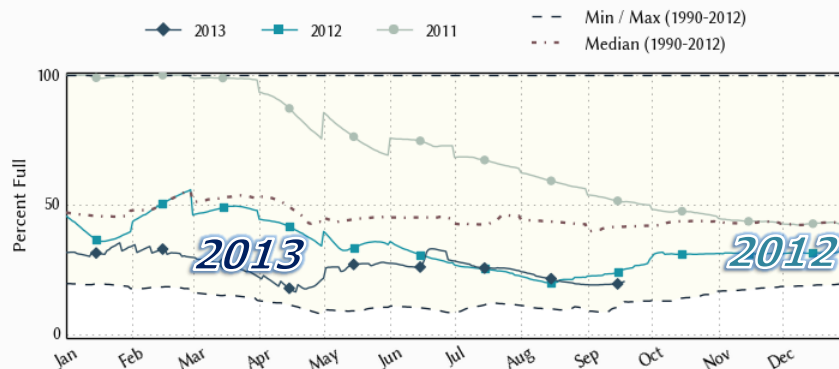
	Date	Percent Full	Water Level (ft)	Height Above Conservation Pool (ft)	Reservoir Storage (acre-ft)	Conservation Storage (acre-ft)	Conservation Capacity (acre-ft)	Surface Area (acres)
Today	2013-09-18	40.9	1,070.37	-46.63	1,142,647	752,153	1,840,849	29,153

- Helpful Benefits Coming to **Amistad...**
- Levels Need to Rise 500,000 Acre Feet to Match 2012 Levels
- **Highly Unlikely.**



Reservoir Relief (Continued)?

Falcon Reservoir is 20.5% full as of 2013-09-18



Recent Historical Statistics

note:

Lake Falcon straddles the border of Texas and Mexico. By treaty, Texas has rights 58.6% of the total conservation capacity. The fraction of the actual storage that belongs to Texas is formally determined biweekly by the [International Boundary Water Commission \(IBWC\)](#). The IBWC is the legal repository of data related to this lake for treaty purposes and official versions of the datasets should be obtained directly from them. Conservation capacity is based on 58.6% of total conservation capacity. Conservation storage is based on the bi-weekly changing Texas share.

	Date	Percent Full	Water Level (ft)	Height Above Conservation Pool (ft)	Reservoir Storage (acre-ft)	Conservation Storage (acre-ft)	Conservation Capacity (acre-ft)	Surface Area (acres)
Today	2013-09-18	20.5	261.78	-39.32	500,593	317,356	1,551,007	29,456

- Some Benefits Coming to **Falcon...**
- Levels Need to Rise ~30,000 Acre Feet to Match 2012 Levels
- **Unlikely unless additional torrential rains can reach the Sierra Madre Oriental.**



On the Beach...

Isla Blanca Park, Sept. 16th Aftn.



Credit: South Padre Live Cams

SPI Resorts, Sept. 16th Aftn.



Credit: South Padre Live Cams

Forecast for Friday – Sunday (Sept. 20-22):

- Tides up to the dunes at high tide (may look like photo at right)
- Minor Beach Erosion Again
- Surf Could Reach 8 foot breakers Friday/Saturday, subsiding Sunday
- **Dangerous rip currents**
- **Sunday could be most critical with increasing sunshine and more people**



On the Beach...and the Bay

SOUTH PADRE ISLAND COAST GUARD STATION, TX StationId: 8779748

Weekly Tide Prediction in Feet

Time Zone: LST/LDT

Datum: MLLW

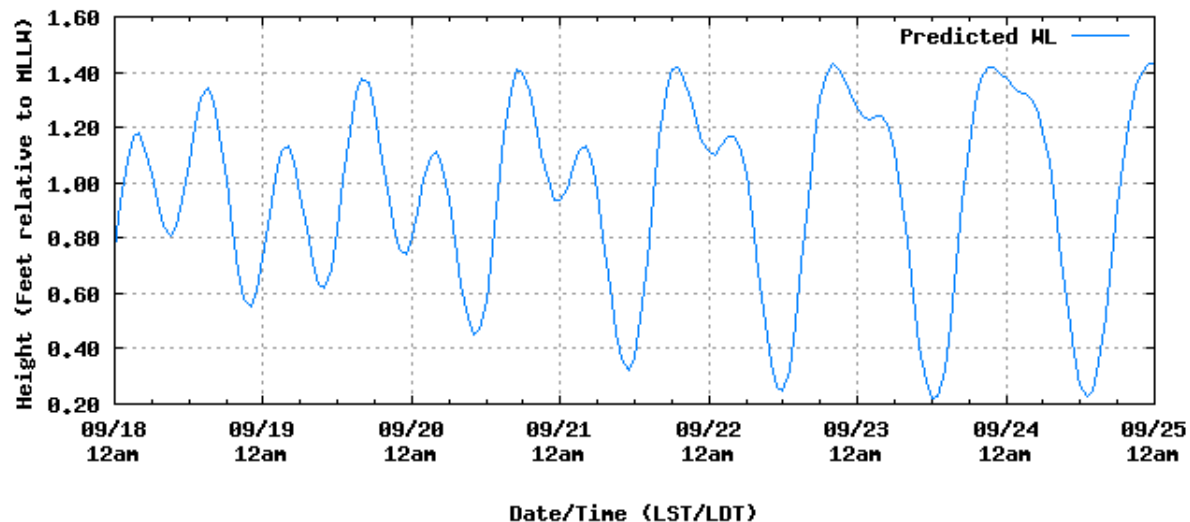
◀ 2013/09/18 - 2013/09/24 ▶

[Back to Station](#)

[Listing](#)

[Bookmark](#)

[Help](#)



Date	Day	Time	Hgt
09/18	Wed	03:35 AM	1.18 H
09/18	Wed	09:06 AM	0.81 L
09/18	Wed	02:55 PM	1.34 H
09/18	Wed	09:50 PM	0.55 L
09/19	Thu	03:42 AM	1.13 H
09/19	Thu	09:41 AM	0.61 L
09/19	Thu	04:12 PM	1.39 H
09/19	Thu	10:44 PM	0.74 L
09/20	Fri	03:48 AM	1.11 H
09/20	Fri	10:19 AM	0.44 L
09/20	Fri	05:25 PM	1.42 H
09/20	Fri	11:38 PM	0.93 L
09/21	Sat	03:50 AM	1.13 H
09/21	Sat	10:58 AM	0.32 L
09/21	Sat	06:38 PM	1.43 H
09/22	Sun	12:35 AM	1.1 L
09/22	Sun	03:41 AM	1.18 H
09/22	Sun	11:38 AM	0.24 L
09/22	Sun	07:58 PM	1.43 H
09/23	Mon	12:21 PM	0.22 L
09/23	Mon	09:36 PM	1.42 H
09/24	Tue	01:09 PM	0.23 L

- Tides increasing with full moon approaching
- Continue to run 1-1.5 feet above predicted bay side; 2 feet above predicted beachside
- **Primary High Tide in Late Afternoon/Early Evening all Weekend**



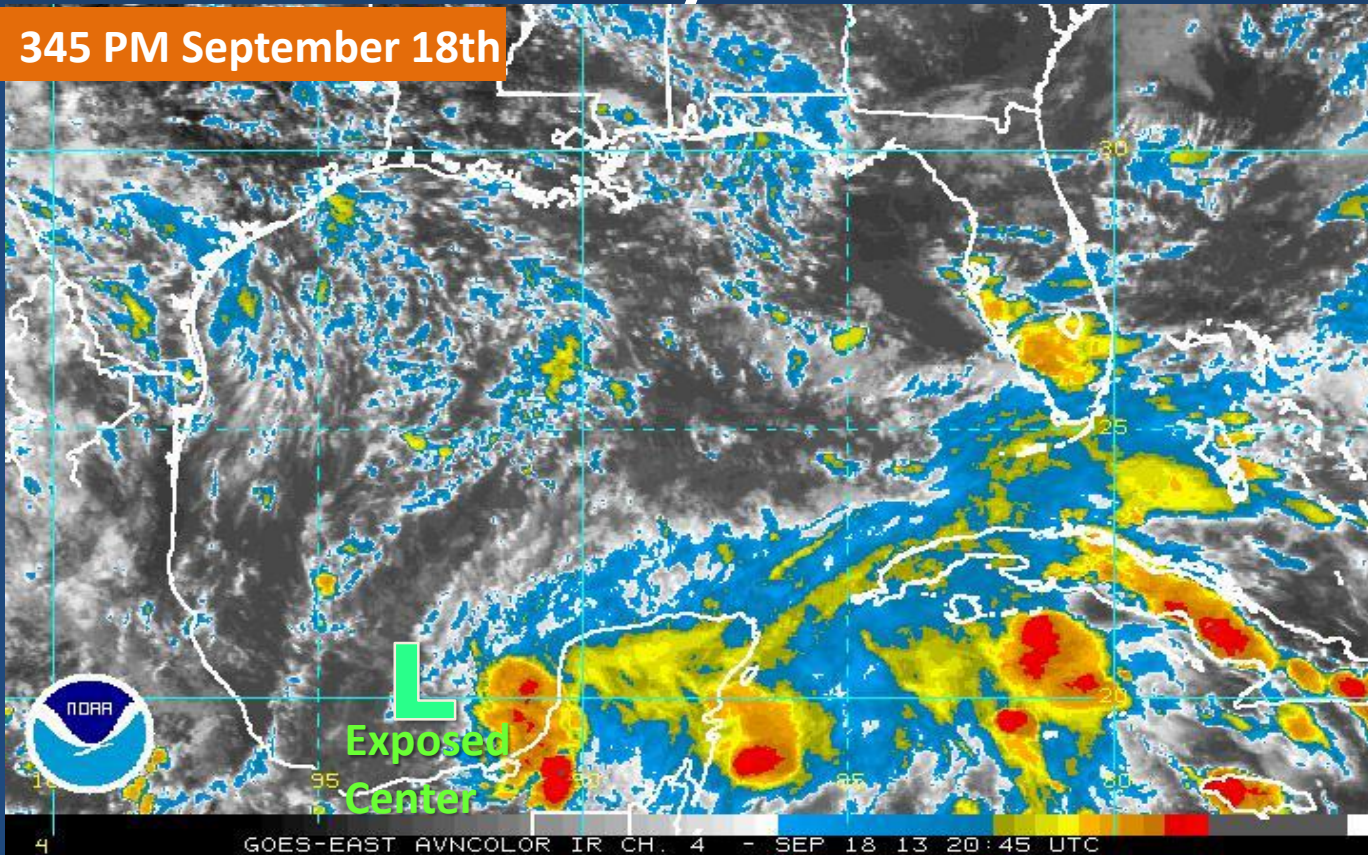
Boating and Fishing

- Seas Below 7 feet through early Friday but Likely to Rise to 7 or 8 feet later Friday through Saturday
- Winds: Increasing to 20 knots and gusty Saturday into Sunday, from the north.
- **Offshore Trips Will Be Difficult late Friday-Sunday**



Is Jerry Next?

345 PM September 18th



- Thunderstorms displaced east of low pressure center
- Thunderstorms *should* “wrap” into the center through Thursday
- **Depression and/or “Jerry” Likely to Form by Friday (80% chance as of 4 PM)**
- ***Virtually no chance of direct impact on RGV!!****



What to Watch For

- **Thursday**

- **Scattered showers and a few thunderstorms, locally heavy rainfall**
- **Watch for flooding of poor drainage locations or highly saturated ground**
- **High Risk for Dangerous Rip Currents, Continued Surf 4 to 6 feet (to head height)**

- **Friday**

- **Rain: Carbon Copy of Thursday**
- **Surf, Tides, and Currents:**
 - **Tides - Increasing slowly, up to dune line at high tide (afternoon), dependent on tropical development. Public beaches may close.**
 - **Surf: Building to 6 feet or higher**
 - **Currents: High Risk/Dangerous**

- **Saturday**

- **Rain: More coverage; gusty north winds, especially along coast. Less chance for flood producing rains mid Valley.**
- **Gulf: Brisk north wind 20 knots+, seas building to 6-8 feet or more**
- **Surf, Tides, Currents: See Friday. Breakers could reach 8 feet. Bad Beach Day.**

- **Sunday**

- **Rain: Morning brisk showers at the Beach**
- **Gulf: See Saturday**
- **Surf Tides, Currents: Sunshine inland may bring larger crowds; residual danger from departing weather system**
- **Great weather for most of RGV; first day without rain in more than two weeks for some.**



Potential Impact/Action

- **Flooding Impact**
 - Nuisance flooding of poor drainage locations possible but more isolated than earlier this week. Actions
 - Keep Canals, Ditches, Streets of Debris. Ensure Sewer Access. Keep pumps ready
- **Beach Actions**
 - Poor/Average swimmers out of water through Sunday
 - Seasoned Surfers Be Vigilant to Rips through Sunday
 - Be Ready to Move umbrellas, beach chairs, etc. behind the dunes prior to Friday/Saturday



Summary

- Thursday-Friday: Scattered showers and a few thunderstorms; rainfall accumulations generally less than 1 inch except in heavier cells
- **Saturday: More rain coverage, but lower intensity except near the coast (Cameron/Willacy) where up to an inch may fall. Built tides/surf but less than associated with Ingrid.**
- **Sunday: Clearing out from west to east. Still breezy and some rain near the coast; dangerous surf and continued tidal run-up.**
- Monday-Wednesday: Sunshine returns. Hot days, pleasant overnights.



Thank
You!

